Philips Brilliance
LCD monitor with
PowerSensor

22"w B-line

Brilliance

225B1CB

# World's first PowerSensor display cuts power bills

The Green Philips 225B monitor with revolutionary PowerSensor technology detects user presence and adjusts power consumption accordingly, reducing your power consumption by up to 50%.

### Sustainable Eco-friendly solution

- PowerSensor:Ensures lower operating costs by saving energy
- High energy efficiency helps reduce energy bills
- Eco-friendly materials meets major International standards

### Outstanding display performance

- SmartImage: Optimized user friendly display experience
- SmartContrast: For incredible rich black details
- Hassle-free display performance tuning with SmartControl II
- TrueVision: Laboratory quality display performance

### Ergonomic design

- 70mm height adjustment for ideal sitting position
- Tilt and swivel adjustment for an ideal viewing angle

### Great convenience

- Built in stereo audio for multimedia experience
- USB port to enhance multimedia experience

PHILIPS

sense and simplicity

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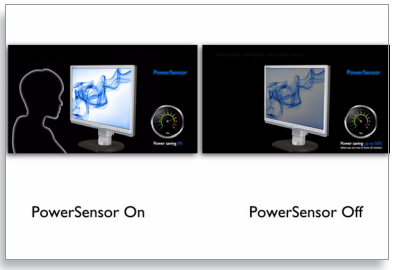
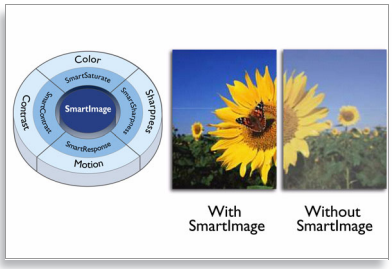
# Highlights

## PowerSensor



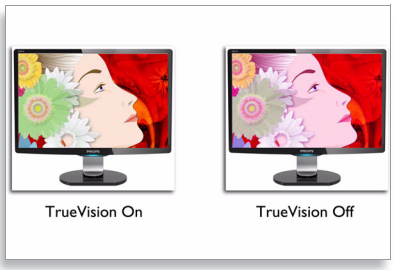

PowerSensor is a built-in 'people sensor' that transmits and receives harmless infrared signals to determine if user is present and automatically reduces monitor brightness when user steps away from the desk, cutting energy costs by up to 50 percent and prolonging monitor life.

## SmartImage




SmartImage is an exclusive, leading edge Philips technology that analyzes the content displayed on your screen. Based on a scenario you select, SmartImage dynamically enhances the contrast, color saturation and sharpness of images and videos for ultimate display performance - all in real time with the press on a single button.

## TrueVision




TrueVision is industry-leading, proprietary Philips testing and algorithm technology for monitor adjustment and fine tuning, an extensive process that ensures ultimate display performance in compliance with a standard four-times more stringent than Microsoft's Vista requirements from each and every monitor that leaves the factory - not just a few review samples. Only Philips goes to these lengths to deliver this exacting level of color accuracy and display quality in every new monitor.

## SmartContrast

SmartContrast is Philips technology that analyzes the contents you are displaying, automatically adjusting colors and controlling backlight intensity to dynamically enhance contrast for the best digital images and optimum contrast for more entertainment fun when viewing videos or playing games where dark hues are displayed; when you select the Economy mode, contrast is adjusted and backlighting fine-tuned for just-right display of everyday office applications and lower power consumption.

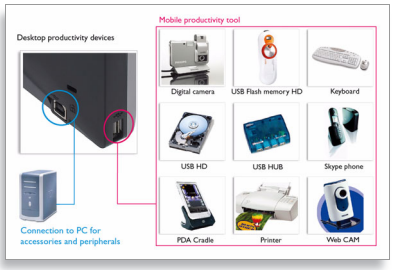
## SmartControl II

SmartControl II is monitor-based software with an easy-to-use on-screen graphic interface that guides you through fine-tuning resolution, color calibration and other display settings including brightness, contrast, clock & phase, position, RGB, white point and - on models with onboard speakers - volume adjustments.

## Built-in stereo audio

A pair of high quality stereo speakers built into a display device. It can be visible front firing, or invisible down firing, top firing, rear firing, etc depending on model and design.

## USB port for multimedia




The universal serial bus or USB is a standard protocol for linking PCs and peripherals. Because it delivers high speed at a low cost, USB has become the most popular method for connecting peripheral devices to a computer. A port located on a monitor directly in the user's line of sight provides easy, high-speed connectivity for USB devices at a convenient location. (USB 2.0 support is dependent on your PC's USB configuration; when connected to a PC that supports USB 2.0, your monitor is USB 2.0 compatible)

## Screen tilt and swivel

Screen tilt and swivel is a mechanism built into the base permits the monitor to swivel and tilt backward or forward.

## High energy efficiency

Philips has taken a lead in ensuring that all its products switch to energy efficient solutions. By using efficient power supplies and reduction in components, Philips has ensured that your monitor typically consumes about 50% less power than its equivalent previous generation model. Energy saving is further enhanced by using only 0.5 watts in sleep mode. Lower power consumption results in fewer CO2 emissions. You can read more about Philips and energy efficiency @ www.philips.com/about/sustainability/oursustainabilityfocus/energyefficiency/index.page

PowerSensor SmartImage™ SmartErgoBase Built-in Speakers VGA dvi DualInput USBConnectivity ENERGY STAR Lead Free! CERTIFIED FOR Windows Vista®

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# Specifications

## Picture/Display
- LCD panel type: TFT-LCD
- Aspect ratio: 16:10
- SmartContrast ratio (dynamic): 12000:1
- Panel Size: 22" / 55.9 cm
- Viewing angle: 176° (H) / 170° (V), @ C/R > 5
- Picture enhancement: SmartImage
- Pixel pitch: 0.282 x 0.282 mm
- Brightness: 250 cd/m²
- Contrast ratio (typical): 1000:1
- Response time (typical): 5 ms
- Optimum Resolution: 1680 x 1050 @ 60Hz
- Display colors: 16.7 M
- Horizontal Scanning Frequency: 30 - 83 kHz
- Vertical Scanning Frequency: 56 - 75 Hz
- sRGB

## Connectivity
- Signal Input: VGA (Analog ), DVI-D (digital, HDCP)
- USB: USB 2.0 x 1
- Sync Input: Separate Sync, Sync on Green
- Audio In/Out: Stereo Audio

## Convenience
- Monitor Controls: SmartImage, Sensor (Left), Audio (Down), Brightness (Up), Menu (OK), Power On/Off
- OSD Languages: English, French, German, Spanish, Italian, Russian, Simplified Chinese, Portuguese
- Built-in Audio: 1.5 W x 2
- Other convenience: VESA mount (100x100mm), Kensington lock
- Plug & Play Compatibility: DDC/CI, sRGB, Windows 98/2000/XP/Vista, Mac OS X
- Regulatory Approvals: CE Mark, Energy Star, FCC Class B, SEMKO, TCO '03, TÜV/GS, TÜV Ergo, UL/cUL, GOST, BSMI

## Stand
- Height adjustment: 70 mm
- Swivel: -45/+45 degree
- Tilt: -5/20 degree

## Power
- Power LED indicator: Operation - White, Standby/sleep-white (blinking)
- Power supply: Built-in, 100-240VAC, 50/60Hz
- On mode without audio: 27W (typical)
- On mode: <20W (EnergyStar 5.0 test method)
- Consumption (Off Mode): < 0.5 W

## Dimensions
- Product with stand (mm): 502 x 446 x 228 mm
- Product with stand (inch): 196 x 174 x 89 inch
- Product without stand (mm): 502 x 346 x 58 mm
- Product without stand (inch): 196 x 135 x 23 inch
- Packaging (mm): 562 x 480 x 168 mm
- Packaging (inch): 219 x 187 x 66 inch

## Weight
- Product with stand (kg): 5.16 kg
- Product with stand (lb): 11.4 lb
- Product without stand (kg): 4.14 kg
- Product without stand (lb): 9 lb
- Product with packaging (kg): 6.8 kg
- Product with packaging (lb): 15 lb

## Operating conditions
- Temperature Range (Operation): 0°C to 40°C °C
- Temperature Range (storage): -20°C to 60°C °C
- Relative Humidity: 20%-80 %
- MTBF: 50,000 hour(s)

## Sustainability
- Environmental and energy: RoHS, EPEAT Silver
- Recyclable packaging material: 100 %

## Cabinet
- Color: Black
- Finish: Texture

Issue date 2009-05-15

Version: 1.0.6

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